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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,861	04/02/2004	I-Chang Hsu	BHT-3092-424	9870

7590 06/06/2006

BRUCE H. TROXELL  
SUITE 1404  
5205 LEESBURG PIKE  
FALLS CHURCH, VA 22041

EXAMINER
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GILMAN, ALEXANDER

ART UNIT	PAPER NUMBER
2833	

DATE MAILED: 06/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application N .</b>	<b>Applicant(s)</b>	
	10/815,861	HSU ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Alexander D. Gilman	2833	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 March 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 13 and 15-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19-24 is/are allowed.
- 6) ☒ Claim(s) 13, 15-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13, 15, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Pelosa et al.

With regard to claim 14, Lopata et al (US 6,299,487) disclose an electrical connector with grounding structure, which comprises:

an insulating body (104) , a plurality of transmitting terminals (some of 131, 132) inserted into the insulating body,

a cable assembly (Fig. 9, 10), comprising predetermined transmitting units (136) positioned over said transmitting terminals and a plurality of jacket layer with fixing and conducting effect enclosed outside said transmitting units,

a grounding part, comprising a contacting part (133a) for contacting with said jacket layer (135) , and comprising predetermined grounding terminals (some of 131) extended directly from said contacting part for inserting into said insulating body; and

an outer jacket (110), encasing all aforesaid elements inside.

Lopata et al do not disclose a conducting part surrounding the plurality of conductive jacket layers and said grounding part to improve the contact effect.

Pelosa et al (US 6,722,898) disclose a conducting part (42, 42) the plurality of conductive jacket layers and said grounding part (col. 5, lines 55-60; a term "surrounding" is equivalent to a term "enclosing").

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Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the conducting part , as taught by Pelosa et al , to improve electrical shielding.

With regard to claim 15, Lopata et al when modified by Pelosa et al disclose (Pelosa et al) that said conducting part is made of metal material with electrical characteristics such as copper sheet (col. 6, line 19, 20);

With regard to claim 17, Lopata et al disclose that said grounding part is made of an electrical contact material.

With regard to claim 18, Lopata et al when modified by Pelosa et al disclose (Pelosa et al) that said both sides of said contacting portion comprise a wing portion respectively to provide pressing and fitting, so as to cause said grounding part and said jacket layer having better conducting effect.

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Kao

Lopata et al disclose all of the limitations except for said jacket layer being an aluminum foil Mylar.

Kao (US 6,724,282) discloses jacket layer being an aluminum foil Mylar (col. 1, lines 15-21).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the jacket layer being an aluminum foil Mylar, as taught by Kao, to ensure no reflection signal transmission.

### ***Response to Arguments***

Applicant's arguments filed 03/13/2006 have been fully considered but they are not persuasive.

Applicant argues that the prior art (Lopata et al-Peloza et al) do not disclose conducting part surrounding said jacket layer and said grounding part

However, as it shown in the rejection, Peloza et al a disclose conducting part enclosed over (surrounding) the plurality of conductive jacket layers and said grounding part (col. 5, lines 55-60), It was interpreted that a term "surrounding" is equivalent to a term "enclosing")

***Allowable Subject Matter***

Claims 19-24 are allowed.

No prior art has been found to anticipate or render obvious the presently claimed subject matter. Specifically, none of the prior art of record discloses the combination of the limitations presented including the first conducting part having an insulating layer covering an outer surface thereof and surrounding the plurality of conductive jacket layers (claim 19).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander D. Gilman whose telephone number is 571 272-2004. The examiner can normally be reached on Monday-Friday, 10:30 a.m. - 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571 272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

05/26/2006

A handwritten signature in cursive script that reads "Alex Gilman".

**ALEXANDER GILMAN**  
**PRIMARY EXAMINER**